MHY10803 LED Moving head

User manual

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1、Summary

1.1. Open-package inspection

When you receipt the product please handling carefully, and check if the products have damaged due to the transportation.

And also check the following fittings

Power cable----------1pcs Lifting lug----------1 pcs

Signal cable----------1 pcs User manual----------1 pcs

Safety rope----------1 Hook----------1 pcs

1.2 Technical parameters

Power supply：AC100V~240V, 50HZ/60HZ Rated power：350W

LED configuration：Red 3W 18pcs Green 3W 36pcs

Blue 3W 36pcs White 3W 18pcs

X-axis horizontal scan 540 degree, Y-axis vertical scan 270 degree

Size：335mmX330mmX450mm N.W：9KG G.W：11KG

1.3. Product features

- Remote reset function
- Automatic record lamp usage information.
- Multiple DMX control channel mode
- Horizontal and vertical scanning error electron correcting function
- The figures display will closed after the display interface have no action for 30 seconds.
- Master-slave control, multi-device interconnected control, program demonstrates
- Scientific LED configuration match the advanced optical lens make the wonderful color mixing effects.
- TFT LCD screen displays, Chinese and english menu for switching, match touch operation to replace the traditional buttons, not only upscale atmosphere but also enhance the ease of operation greatly.
- 100-240V wide voltage input without problems due to unstable voltage.
- Automatic recognition of master-slave signals and DMX console signals.
- 0-255 grade linear dimming, color is more delicate and colorful.
- High-speed computing chip controlled constant current driver , lighting more responsive, dimming softer .

- The intelligent fan control, the fan start running when there is LED light up, and fan stop running after 1 minutes of the LED lights closed.

2、Safety instruction

All persons associated with this device's installation and maintenance must be ：

—Have a technician qualification

—Following the requirements of this user manual.

Note: Keep the device away from water, moisture, disconnect the main power before opening the shell.Operating carefully. Danger high voltage, be careful of electric shock! This device everything is normal when leave the factory. To ensure proper and safe operation of these conditions , the users must comply with the instructions of the following security requirements and considerations

- The manufacturer will not be responsible to the accidents losses caused by the improper operation and change the unit personally without permission.
- Don't connected the power cable to other cables. Pay attention to make sure the power supply voltage matches the singed voltage on the device.
- Ensure connect the power plug to the socket. Mare sure the power switch is on the OFF position before connect the device to the main power.
- Make sure the power cable should not be broken and cut or damaged by sharp objects. Scheduled check the device and power cable.
- Please disconnect the main power when the device is not being used or before cleaning of it.To disconnect the power by pull the power plug but not by dragging the power cable
- The protection level of this device is I, so please connect the yellow /green lines grounded. Line connection, maintenance and services must be carried out by specialized technicians.
- Should not connected this device to the DMX dimmer packs
- Do not continuously turn the device ON and OFF in a short interval of time.
- Attention! Be careful with your eyes! Avoid staring blankly forward the light source.

3、Operation instructions

- This device is the LED washing moving head light, used to create decorative effects.
- Do not run the device at once after it undergo a big temperature changes(such as undergo transport), because the thermal expansion will damage the device. Please wait until the device reach the normal room temperature to run it.
- Pay attention to shockproof. Avoid strong collision during installation.
- Do not lift the device by lift the lamp head, as this will damaged the mechanical of the device.Use the

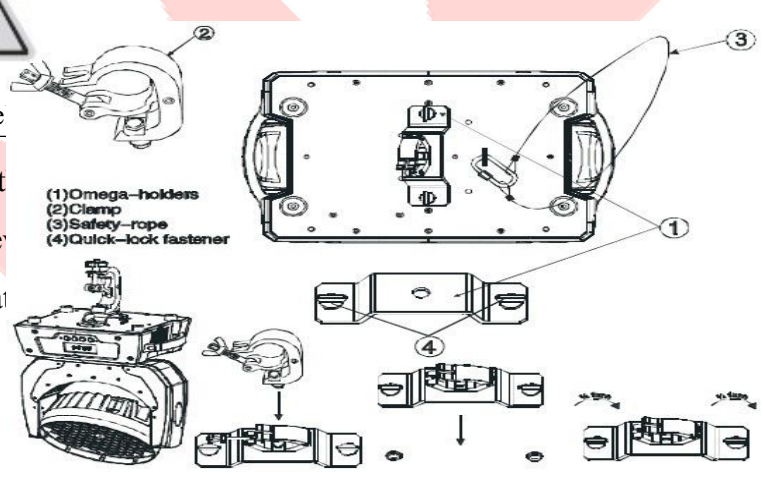
transport equipment to handing the device.

- When selecting the installation location please make sure that the device is not exposed to heat, too wet or dusty place. Do not put any cables on the ground, otherwise you could hurt yourself or others.
- Ensure the installation point have been set up before fixed ,refixed and maintenance.
- Please fixed the lamp bracket with safe ropes, and lock the safe rope to the normal holes.
- This device can only be operated after you have check the lamp is fixed and all the screws are screwed .
- Note:In order to remain the original effects the lens must be replaced when there is visible damages (the damages such as blasting or deep scratched!)
- Only can operate this device after familiar with the functions. Prohibition of non-technical personnel to operate this device, because many loss is the results of improper operation.
- If you want to transfer the devices please use the original packaging.
- For security reasons, please don't change the device privately .

Any device failures that caused because of operated it without according to the requirement of the user manual are not included in the warranted.

4、Installation notes

The e



Please confirm t the device before install it.

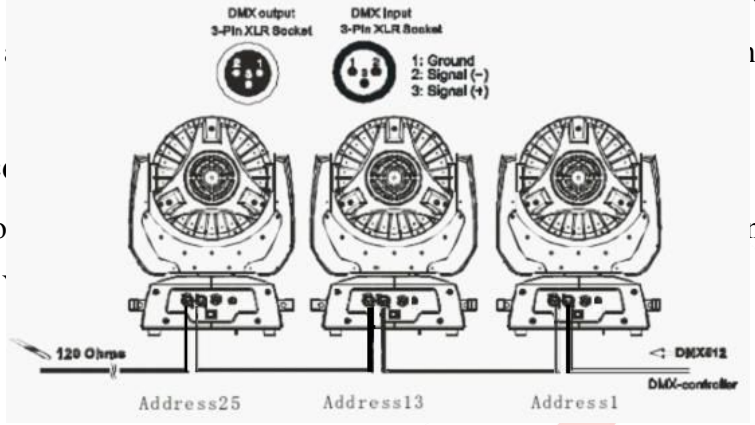
Connected the de

The hook installa

Tighten the screws and fixed the hook to the lamp bracket.

Insert the safety rope to each hole at the button respectively, then tighten the screws.

Tight the safety rope tighten the screws.



5、DMX-512 c

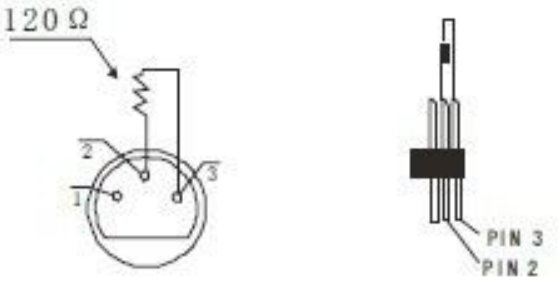
Connected one side o nd the other side to another lamp's signal inputs.

6、DMX-512 connection and DMX terminal connection

If the DMX signal cable need to put very long or to use in a indoor installation environment which the electricity is very com

We advice to use a DI MX signal be disturbed by the electricity signal.

This terminal is to a LR plug with another 2 pin or 3 pin connected to the next XLR plug. Please see the follow figure:



You can set all the device with the same address code or set different device with different address code. If you set the same address code, all the device will follow the same control signal. Change the control channel will also change the running of the lamps. If you set different address code, the lamp will follow

the channel you set, this depends on your console's channels. As for this moving head , this is a 12 channel device. You should set the first moving head as 1, the second one as 13, the third as 25, and so on .

7、Display interface introduction

Menu chart

Main menu	Submenu
IP setting	IP setting(1-512)
Running mode	Console mode(15 channel+11 channel)
	Auto mode(auto1 -auto8)
	Sound mode
	return
Test mode	**X- axis motor（0-255）**
	Y-axis motor（0-255）
	Zoom motor（0-255）(invalid)
	Red（0-255）
	Green（0-255）
	Blue（0-255）
	White（0-255）
	Return
Language setting	Chinese
	English
	Return
Advanced setting	ID code（0-25）(invalid)
	X-axis reverse (open/close)
	Y-axis reverse (open/close)
	Push rod delay(open/close)
	Signal connections (open/close)
	Coding disc (open/close)
	Temperature protection (open/close)
	Temperature (50 degree-120degree)
	Fan speed (reserved)
	Screen protect(Off/mode 1/mode 2)
	Screen rotation (open/close)
	LOGO（open/close）
	Factory settings(for sure?)
	Motor reset (for sure?)
	Screen calibration (for sure?)
	On time（The power get through time）
	Running time (total time used)
	Return
System information	Software version

	Running mode
	Address code
	Temperature (actual temperature is detected)

8、Channel mode description（15 and 11 channel selectable）

15 channel description :

CH	value	Control function
1	0-255	Muster dimming on
2	0-255	Red color dimming from dark to bright
3	0-255	Green color dimming from dark to bright
4	0-255	Blue color dimming from dark to bright
5	0-255	White color dimming from dark to bright
6	0-255	User defined color dimming from dark to bright
7	0-255	X axis motor
8	0-255	Y axis motor
9	0-255	X fine adjustment（16Bit）
10	0-255	Y fine adjustment（16Bit）
11	0-255	XY motor speed from fast to slow
12	0	No strobe
	1-255	Strobe from slow to fast
13	0	Don’t use macro function
	1~25	Enable console delay
	26-50	Close the console delay
	51-90	The program select color switch
	91-13	Pulse change
	131-1	Jump
	171-2	Gradual change
	211-2	Internal mode 1(not managed)
	251-2	Sound mode(not managed)
14	0-255	Pulse , jump and gradual change from slow to fast
	0	Don’t use the color selection function
	1~20	R255 G↑ B0 W0
	21~40	R↓ G255 B0 W0
	41~60	R0 G255 B↑ W0
	61-80	R0 G↓ B255 W0
	81-10	R↑ G0 B255 W0
	101-1	R255 G0 B↓ W0
	121-1	R255 G↑ B↑ W0
	141-1	R↓ G↓ B255 W0
	161-1	R255 G255 B255 W255
	171-2	R0 G0 B0 W0
	201-2	R242 G204 B5 W227
	206-2	R242 G215 B5 W227
	211-2	R255 G255 B50 W255
	216-2	R255 G255 B90 W255

	221-2	R255 G255 B118 W255
	226-2	R255 G255 B132 W255
	231-2	R255 G255 B151 W255
	236-2	R255 G255 B171 W255
	241-2	R255 G255 B185 W255
	246-2	R255 G255 B197 W255
	251-2	R255 G255 B234 W255
15	Reset	

11 channel description：

CH	value	Control function
1	0-255	Master dimming on
2	0-255	Red color dimming from dark to bright
3	0-255	Green color dimming from dark to bright
4	0-255	Blue color dimming from dark to bright
5	0-255	White color dimming from dark to bright
6	0-255	User defined color dimming from dark to bright
7	0-255	X axis motor
8	0-255	Y axis motor
9	0-255	X axis fine adjustment（16Bit）
10	0-255	Y axis fine adjustment（16Bit）
11	0-255	XY axis motor speed from fast to slow

9、Common problems and solutions：

Problems	Troubleshoot direction	Solutions
No response after the lamp powered, no boot, the screen does not light up	Check if the power supply have correct access, the fuse is burning	Access the power correctly , replace the fuse after troubleshooting
Lamps not controllers by the console	Check if the signal have correct access, the address have set correctly.	Access the signal correctly, set the address code correctly
Master-slave control mode, some of the lamp is not managed properly.	Check if the no controlled lamp is under the console mode, if it have disconnected from the console, if there have more than one master device.	Set the lamp to console mode, disconnect the console connection, turn off the other master device.
If there are other problem that is not within the above please contact the dealer.		

10、Maintenance and cleaning

★This moving head must keep the basic cleaning, dust,dirty objects and smoke and oil residue cannot remain on of inside of the shells.Otherwise is will significantly reduce the output of the moving head.A regular cleaning will not only

ensure maximum output of the lamp but also will ensure the lamp life. We advice you to use a soft cloth and glass cleaner to clean, don't use alcohol or other solvents to cleaning under any circumstances.

Danger: Please disconnected the power before start any repair/maintenance.

★There are no user serviceable parts inside the equipments, except for the fuse.

★Only dealer have the rights to maintenance and repair.

★Fuse replacement: fuse burned to melt, need to replace the fuse of the same model and same level after troubleshoot.

★Please disconnected the power before replace the fuse.